

Quarterly Sludge Summary Report Form

Note 1: If your site has more than one land application field, please submit a separate form for each field.

Note 2: Please place this sheet at the top of your Quarterly Sludge Report.

Note 3: If you have more than one permitted site, then fill-out this form for each one of those sites.

Note 4: Please send a copy of this sheet and all attachments to the local TCEQ regional office.

For TCEQ Quarter: <u>4th</u> : for Reporting period from <u>06/01/14</u> to <u>08/31/14.</u>	
PERMIT NO.: <u>WQ0004723000</u>	DATE: <u>09/12/14</u>
NAME OF PERMITTEE / REGISTRANT: <u>Synagro of Texas-CDR, Inc.</u>	
MAILING ADDRESS: <u>501 Woodall Road</u> <u>Decatur, AL 35601</u>	
CONTACT PERSON: Name: <u>Chuck Simmons</u> Telephone No. : <u>256-565-3374</u>	

Field No: 1 (Submit separate form for each field, if site has two or more fields)

- Class B Sewage Sludge Land Applied: 265.96 dry tons / quarter
- Treated Domestic Septage – Land Applied: 0 gallons / quarter
- Method used to treat Domestic Septage: _____
- Water Treatment Plant Sludge – Land Applied: 0 dry tons / quarter
- Class A Sludge Land Applied: 0 dry tons / quarter

a. Acreage used for Sludge Application/disposal at this site:- 50.59 acres

b. Site Vegetation (such as grass type, etc.) and # of cuttings:- Coastal Bermuda and Winter Ryegrass – 3 cuttings

c. Does any of the sludge you have generated or received DOES NOT MEET concentration limits for any of the metals listed in Table 3 of “30 TAC §312.43 (b)”? Yes _____ No X

d. Site location: Latitude: 29.30’50”, Longitude: 96.33’69”

e. Site physical address: _____

Please attach the information regarding the following items (Sewage Sludge only): -

*Please note the following information shall be provided in computer generated report format:

*Please place check mark before each item below to indicate you have attached that item with this report.

- X 1. Metal concentration, pathogen analysis data and vector attraction certifications for sludge from each source.
- X 2. Provide a list containing the name and permit number of each source of sludge.
- X 3. Date of delivery of each load of sludge land applied.
- X 4. Date of land application of each load of sludge.
- X 5. The cumulative metal loading rates for any metals as listed in Table 2 of 30 TAC §312.43 (b).
- X 6. The suggested agronomic rate for the class B sludge.

PLEASE MAIL THE COMPLETED QUARTERLY REPORT TO:

Texas Commission on Environmental Quality
Land Application Team (M/C 148)
Wastewater Permitting Section
P.O. Box 13087
Austin, TX 78711-3087

Residuals Analysis Results

<u>ST</u>	<u>Description</u>	<u>Lab Usage Range</u>		<u>Cd</u>	<u>As</u>	<u>Cr</u>	<u>Cu</u>	<u>Hg</u>	<u>Mo</u>	<u>Ni</u>	<u>Pb</u>	<u>Se</u>	<u>Zn</u>
TX	AUSTIN, TX HORNSBY BEND WWTP BASIN 3 CAKE-AUHBB3C	07/01/14	09/30/14	0.800 p	3.480 p	20.530 p	251.330 p	0.460 p	8.020 p	16.770 p	14.670 p	4.530 p	567.670 p
TX	AUSTIN, TX HORNSBY BEND WWTP BASIN 5 CAKE-AUHBB5C	06/01/14	06/30/14	0.800 p	3.480 p	20.530 p	251.330 p	0.460 p	8.020 p	16.770 p	14.670 p	4.530 p	567.670 p
TX	AUSTIN, TX HORNSBY BEND WWTP BASIN 5 CAKE-AUHBB5C	07/01/14	09/30/14	0.800 p	3.480 p	20.530 p	251.330 p	0.460 p	8.020 p	16.770 p	14.670 p	4.530 p	567.670 p
TX	AUSTIN, TX HORNSBY BEND WWTP CAKE- AUHBC	06/01/14	06/30/14	0.760 p	5.450 p	19.200 p	265.000 p	0.450 p	6.260 p	16.800 p	17.000 p	5.360 p	573.000 p
TX	AUSTIN, TX HORNSBY BEND WWTP CAKE- AUHBC	07/01/14	07/31/14	0.860 p	4.940 p	18.300 p	247.000 p	0.250 p	6.390 p	16.200 p	16.900 p	4.970 p	523.000 p
TX	AUSTIN, TX HORNSBY BEND WWTP CAKE- AUHBC	08/01/14	08/31/14	0.887 p	4.400 p	21.100 p	262.000 p	0.371 p	7.480 p	17.200 p	16.700 p	3.530 p	583.000 p

p = ppm or mg/kg

Laboratory Serv
Hornsby Dried Sludge - Monthly
Report Date: 02-SEP-14

CONTROL # 60604

Page: 1

This data has been proofed by a Laboratory Official: YES

Date	Sample Name	SM 2540 G	SM 2540 G	SM 4500-NH3 D	EPA 353.2	EPA 351.2	SW 9045	SM 4500-P BE	SM 9221 E	EPA 60100
		% TOTAL	% VOL	NH3-N	NO3+NO2-N	TKN	PH	TP	COOLI	NA
		%	%	MG/KG	MG/KG	MG/KG	SU	MG/KG	MPN/G	MG/KG
06-AUG-14	HBDRYSLDG-06AUG14-N	16.5	61.5	16194	10.1	60700	8.5	14216	27879	711
Minimum		16.5	61.5	16194	10.1	60700	8.5	14216	27879	711
Maximum		16.5	61.5	16194	10.1	60700	8.5	14216	27879	711
Average		16.50	61.50	16194.00	10.10	60700.00	8.50	14216.00	27879.00	711.00

Laboratory Serv
 Hornsby Dried Sludge - Monthly
 Report Date: 02-SEP-14

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This data has been proofed by a Laboratory Official: YES

Date	Sample Name	EPA 6010C	EPA 6010C	SM 2510 B	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C
		MG	CA	COND	AG	AL	AS	B	CD	CR
		MG/KG	MG/KG	UMHOS/CM	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
06-AUG-14	HBDYSLDG-06AUG14-W	5109	87053	4930	4.56	7289	4.40	49.3	0.887	21.1
Minimum		5109	87053	4930	4.56	7289	4.4	49.3	.887	21.1
Maximum		5109	87053	4930	4.56	7289	4.4	49.3	.887	21.1
Average		5109.00	87053.00	4930.00	4.56	7289.00	4.40	49.30	.89	21.10

Laboratory Serv
Hornsby Dried Sludge - Monthly
Report Date: 02-SEP-14

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This data has been proofed by a Laboratory Official: YES

Date	Sample Name	EPA 6010C	EPA 6010C	EPA 7471B	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C
		CU	FE	HG	K	MO	NI	PB	SE	ZN
		MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
06-AUG-14	HBDRYSLDG-06AUG14-W	262	17408	0.371	1403	7.48	17.2	16.7	3.53	583
Minimum		262	17408	.371	1403	7.48	17.2	16.7	3.53	583
Maximum		262	17408	.371	1403	7.48	17.2	16.7	3.53	583
Average		262.00	17408.00	.37	1403.00	7.48	17.20	16.70	3.53	583.00

Hornsby Bend Biosolids Management Facility

Belt Presses

August 2014

DAY	Sludge Dewatered (gal) BP 1,2&3 Total	TOTAL Sludge Wasted (gal)	Sludge Cake (%TS)			Combined Totals			% TS Daily
			BP #1	BP #2	BP #3	Sludge T.S. (mg/L)	Sludge Wasted (DT)	Sludge Dewatered (DT)	
1	257,780	240,000		16.2		0	0.0	0.0	16.2
2	472,455	452,600	16.0	17.3		0	0.0	0.0	16.7
3	52,500	78,300	16.2	17.0		0	0.0	0.0	16.6
4	303,720	297,700	16.3	16.1		0	0.0	0.0	16.2
5	324,420	256,000	17.6	18.0	16.0	0	0.0	0.0	16.5
6	282,600	250,000		16.1		0	0.0	0.0	16.1
7	95,580	93,300		15.8		0	0.0	0.0	15.8
8	225,882	196,500		17.7		0	0.0	0.0	17.7
9	252,000	236,000		18.1		0	0.0	0.0	18.1
10	201,420	210,600	14.5	16.1		0	0.0	0.0	15.3
11	471,240	418,400	16.4	15.8		0	0.0	0.0	16.1
12	226,260	212,000	16.0	14.5		0	0.0	0.0	16.3
13	177,060	183,000	16.3			0	0.0	0.0	16.3
14	257,400	260,700	16.2		15.7	0	0.0	0.0	16.0
15	231,480	206,000	16.8		16.7	0	0.0	0.0	16.7
16	148,880	135,400	15.6		17.0	0	0.0	0.0	16.3
17	468,000	1,016,000	15.8		17.4	0	0.0	0.0	16.6
18	309,000	266,500	16.4		17.4	0	0.0	0.0	16.9
19	262,740	247,500	16.3		16.2	0	0.0	0.0	16.3
20	140,400	133,100	16.5			0	0.0	0.0	16.5
21	224,640	224,000	16.5			0	0.0	0.0	16.5
22	362,800	350,000	17.2	17.8		0	0.0	0.0	17.6
23	242,260	208,000		17.8		0	0.0	0.0	17.8
24	49,500	49,300		18.9		0	0.0	0.0	18.9
25	151,184	116,900	16.9	16.8		0	0.0	0.0	16.9
26	493,560	416,000	17.8	17.3		0	0.0	0.0	17.6
27	465,120	426,000	17.4	17.6		0	0.0	0.0	17.5
28	350,780	267,700	17.0		15.3	0	0.0	0.0	16.2
29	271,440	231,800		16.6		0	0.0	0.0	16.6
30	347,650	337,300	17.4	17.4		0	0.0	0.0	17.4
31	0	0				0	0.0	0.0	
Total	8,118,201	7,980,500				0	0.0	0.0	
Average	261,877	257,435	16.5	16.9	16.5	0	0.0	0.0	
Average for both presses			16.6						

BASINS 3-5

Laboratory Services
Hornsby Dried Sludge - Monthly
Report Date: 06-JUN-14

This data has been proofed by a Laboratory Official: YES

Date	Sample Name	SM 2540 G %TOTAL %	SM 2540 G %VOL %	SM 4500-NH3 D NH3-N MG/KG	EPA 353.2 NO3+NO2-N MG/KG	EPA 351.2 TKN MG/KG	SW 9045 PH SU	SM 4500-P BE TP MG/KG	SM 9221 E FCOLI MPN/G	EPA 6010C NA MG/KG
5-Mar-14	HBDRYSLDG-05MAR14-W	12.9	84.8	14575	< 6.35	78472	8.1	13380	993590	733
9-Apr-14	HBDRYSLDG-09APR14-W	14.2	70.6	14135	4.47	68653	8.2	13443	915493	679
6-May-14	HBDRYSLDG-06MAY14-W	15.1	69.9	13524	< 3.32	70417	8.5	13317	135430	761
Minimum		12.9	69.9	13524	< 3.32	68653	8.1	13317	135430	679
Maximum		15.1	84.8	14575	6.35	78472	8.5	13443	993590	761
Average		14.07	75.10	14078.00	< 4.71	72514.00	8.27	13380.00	681504.33	724.33

Comments

Laboratory Services
Hornsby Dried Sludge - Monthly
Report Date: 06-JUN-14

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This data has been proofed by a Laboratory Official: YES

Date	Sample Name	EPA 6010C	EPA 6010C	SM 2510 B	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C	EPA 6010C
		MG	CA	COND	AG	AL	AS	B	CD	CR
		MG/KG	MG/KG	UMHOS/CM	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
5-Mar-14	HBDRYSLDG-05MAR14-W	4059	49067	5220	8.36	6139	3.23	48.9	0.784	22.2
9-Apr-14	HBDRYSLDG-09APR14-W	3771	54067	6290	8.49	4751	3.08	49.0	0.784	19.0
6-May-14	HBDRYSLDG-06MAY14-W	3836	58091	3850	8.49	6163	4.12	52.1	0.826	20.4
Minimum		3771	49067	3850	8.36	4751	3.08	48.9	0.784	19
Maximum		4059	58091	6290	8.49	6163	4.12	52.1	0.826	22.2
Average		3888.67	53741.67	5120.00	8.45	5684.33	3.48	50.00	0.80	20.53

Comments

Laboratory Services
Hornsby Dried Sludge - Monthly
Report Date: 06-JUN-14

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This data has been proofed by a Laboratory Official: YES

Date	Sample Name	EPA 6010C CU MG/KG	EPA 6010C FE MG/KG	EPA 7471B HG MG/KG	EPA 6010C K MG/KG	EPA 6010C MO MG/KG	EPA 6010C NI MG/KG	EPA 6010C PB MG/KG	EPA 6010C SE MG/KG	EPA 6010C ZN MG/KG
5-Mar-14	HBDRYSLDG-05MAR14-W	235	17155	0.363	1406	7.46	16.6	13.6	3.78	553
9-Apr-14	HBDRYSLDG-09APR14-W	240	16768	0.343	947	7.58	16.0	13.5	4.57	560
6-May-14	HBDRYSLDG-06MAY14-W	279	14408	0.682	1257	9.03	17.7	16.9	5.24	590
Minimum		235	14408	0.343	947	7.46	16	13.5	3.78	553
Maximum		279	17155	0.682	1406	9.03	17.7	16.9	5.24	590
Average		251.33	16110.33	0.46	1203.33	8.02	16.77	14.67	4.53	567.67

Comments

Laboratory Seals
Basin 3 Sludge To Aueain Energy
Report Date: 18-AUG-14

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This data has been proofed by a Laboratory Official: YES

		SM 2540 G
Date	Sample Name	%TOTAL
30-JUL-14	BASIN3-30JUL14-G	14.6
16-AUG-14	BASIN3-06AUG14-G	13.4
Minimum		13.4
Maximum		14.6
Average		14.00

Laboratory Ser 9
 Basin 5 Sludge To Aueain Energy
 Report Date: 18-AUG-14

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This data has been proofed by a Laboratory Official: YES

Date	Sample Name	SM 2540 G	SM 9221 E
		WTOTAL %	FCOLI MPN/G
01-JUL-14	BASIN5-01JUL14-G	52.5	63
10-JUL-14	BASIN5-10JUL14-G	14.3	
13-JUL-14	BASIN5-23JUL14-G	21.5	
10-JUL-14	BASIN5-30JUL14-G	11.9	
16-AUG-14	BASIN5-06AUG14-G	14.9	
Minimum		11.9	63
Maximum		52.5	63
Average		23.02	63.00

Hornsby Bend Digester Performance 2013 - 2014

Volatile Solids Reduction by Anaerobic Digestion
 EPA Mass Balance Method
 Single Combined Stream from Digesters

Month	Average % Reduction
Sep-13	77.3
Oct-13	66.7
Nov-13	56.6
Dec-13	51.8
Jan-14	49.2
Feb-14	58.5
Mar-14	63.4
Apr-14	38.1
May-14	60.1
Jun-14	59.3
Jul-14	77.7
Aug-14	73.2
Annual Average	61.0

Pathogen Testing
 Class B Monthly Samples
 Fecal Coliform MPN

Month	Fecal C
Sep-13	27,072
Oct-13	12,017
Nov-13	50,806
Dec-13	79,365
Jan-14	625,744
Feb-14	70,968
Mar-14	993,590
Apr-14	915,493
May-14	135,430
Jun-14	583,333
Jul-14	1,428,572
Aug-14	27,879
Annual Avg	412,522

Digester Temperatures

Month	Digester 3	Digester 4	Digester 5	Digester 6	Digester 7	Digester 8	Digester 9	Digester 10	Average
Sep-13	94.3	96.5	98.5	97.8					96.8
Oct-13	90.0	95.3	95.6	94.2					93.8
Nov-13	88.2	90.3	90.9	90.4					90.0
Dec-13	85.6	86.7	86.7	86.3					86.3
Jan-14	84.9	84.5	82.6	84.5					84.1
Feb-14	80.2	80.7	77.5	79.8					79.5
Mar-14	74.8	78.6	76.9	79.9					77.5
Apr-14	84.0	84.9	84.1	84.2					84.3
May-14	87.2	89.1	87.9	86.7					87.7
Jun-14	91.7	93.9	90.1	91.6		80.4			89.5
Jul-14	93.5	96.8	93.8	93.0		83.7		85.9	91.1
Aug-14	96.3	96.6	94.9	94.8		91.5		90.2	94.0
Annual Average									87.9

Note: Digesters 7, 8, 9, and 10 were out of service during this period due to construction activity.

Digester Retention Time

Month	Flow MG	MG/day	MCRT
Sep-13	6.50	0.217	32.33
Oct-13	6.42	0.214	32.72
Nov-13	7.96	0.265	26.40
Dec-13	8.25	0.275	25.44
Jan-14	7.68	0.256	27.33
Feb-14	6.70	0.223	31.33
Mar-14	7.12	0.237	29.48
Apr-14	9.60	0.320	28.13
May-14	8.20	0.273	32.94
Jun-14	7.61	0.254	35.47
Jul-14	7.36	0.245	44.83
Aug-14	7.57	0.252	43.60
Average	7.581300083	0.25271	32.49818

Notes: Digesters 3 through 6 have a total average volume of 7 MG since digester 3 holds digested sludge (and gas) prior to dewatering
 Used sludge flows from Walnut and SAR WWTPs since Hornsby meters not working during this period
 Added Digester 8 making volume in digesters 9 MG, and added Digester 10, making total volume 11 MG.

Synagro
 SYNAGRO SOUTH, LLC
 501 Woodall Road
 Decatur, AL 35601

MANIFEST SUMMARY BASED ON DELIVERY DATE
 6/1/2014 thru 8/31/2014

For: TX-CO-00007-0-0001

Printed: 9/11/2014
 Report Time: 15:50:50
 Page Number: 1 of 2

Delivery Date	Ticket Number	Plant	Product	Qty	Hauler Company	Pathogen Control	Management Method	Dry Tons	Percent Solids	Dry Metric Tons	Site Permit
Unit Of Measure: CUBIC YARDS											
8/13/2014	M-85554	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/13/2014	M-85559	HORNSBY BEND WWTP	B3CAK	30.00	GIC TRANSPORT	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/13/2014	M-85560	HORNSBY BEND WWTP	B3CAK	30.00	GIC TRANSPORT	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/13/2014	M-85561	HORNSBY BEND WWTP	B3CAK	30.00	GIC TRANSPORT	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/13/2014	M-85562	HORNSBY BEND WWTP	B3CAK	30.00	GIC TRANSPORT	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/13/2014	M-85563	HORNSBY BEND WWTP	B3CAK	30.00	GIC TRANSPORT	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/13/2014	M-85565	HORNSBY BEND WWTP	CAK	30.00	TIKI TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/13/2014	M-85566	HORNSBY BEND WWTP	CAK	30.00	TIKI TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/14/2014	M-85570	HORNSBY BEND WWTP	CAK	30.00	TIKI TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/14/2014	M-85571	HORNSBY BEND WWTP	CAK	30.00	TIKI TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/14/2014	M-85572	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/14/2014	M-85573	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/14/2014	M-85574	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/14/2014	M-85575	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/14/2014	M-85576	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/14/2014	M-85577	HORNSBY BEND WWTP	B3CAK	30.00	GIC TRANSPORT	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85578	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85579	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85580	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85581	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85582	HORNSBY BEND WWTP	B3CAK	30.00	GIC TRANSPORT	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85583	HORNSBY BEND WWTP	B3CAK	30.00	GIC TRANSPORT	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85584	HORNSBY BEND WWTP	B3CAK	30.00	GIC TRANSPORT	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85585	HORNSBY BEND WWTP	B3CAK	30.00	GIC TRANSPORT	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85586	HORNSBY BEND WWTP	B3CAK	30.00	GIC TRANSPORT	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85587	HORNSBY BEND WWTP	B3CAK	30.00	GIC TRANSPORT	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85588	HORNSBY BEND WWTP	B3CAK	30.00	TIKI TRANSPORT	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85589	HORNSBY BEND WWTP	B3CAK	30.00	TIKI TRANSPORT	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85590	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85591	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85592	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/14/2014	M-85593	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/15/2014	M-85594	HORNSBY BEND WWTP	CAK	30.00	TIKI TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85595	HORNSBY BEND WWTP	CAK	30.00	TIKI TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85596	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85597	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85598	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85599	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85600	HORNSBY BEND WWTP	CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85626	HORNSBY BEND WWTP	CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85627	HORNSBY BEND WWTP	CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85628	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/15/2014	M-85629	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000

Synagro
 SYNAGRO SOUTH, LLC
 501 Woodall Road
 Decatur, AL 35601

MANIFEST SUMMARY BASED ON DELIVERY DATE
 6/1/2014 thru 8/31/2014

For: TX-CO-00007-0-0001

Printed: 9/11/2014
 Report Time: 15:50:50
 Page Number: 2 of 2

Delivery Date	Ticket Number	Plant	Product	Qty	Hauler Company	Pathogen Control	Management Method	Dry Tons	Percent Solids	Dry Metric Tons	Site Permit
8/15/2014	M-85630	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85631	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85632	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85633	HORNSBY BEND WWTP	CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85634	HORNSBY BEND WWTP	CAK	30.00	TIKI TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85635	HORNSBY BEND WWTP	CAK	30.00	TIKI TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/15/2014	M-85649	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/18/2014	M-81665	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/18/2014	M-81666	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/18/2014	M-81667	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/18/2014	M-81668	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
8/18/2014	M-83226	HORNSBY BEND WWTP	CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/18/2014	M-85636	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/18/2014	M-85637	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/18/2014	M-85638	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/18/2014	M-85639	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/18/2014	M-85640	HORNSBY BEND WWTP	CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/18/2014	M-85641	HORNSBY BEND WWTP	CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/18/2014	M-85642	HORNSBY BEND WWTP	CAK	30.00	TIKI TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/18/2014	M-85643	HORNSBY BEND WWTP	CAK	30.00	TIKI TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/18/2014	M-85644	HORNSBY BEND WWTP	CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/18/2014	M-85645	HORNSBY BEND WWTP	CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/18/2014	M-85646	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/18/2014	M-85647	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/18/2014	M-85648	HORNSBY BEND WWTP	CAK	30.00	GIC TRANSPORT	Class B	LandAppl	4.1949	16.60	3.8047	WQ0004723000
8/18/2014	M-85650	HORNSBY BEND WWTP	B3CAK	30.00	SPRINT INDUSTRIAL SE	Class B	LandAppl	3.3862	13.40	3.0713	WQ0004723000
***** Unit Totals for CUBIC YARDS:				2,070.00				265.9941		241.2567	

Grand Total Loads: 69

Grand Totals: 265.99 241.26

Residual Sources Permit Numbers

Application To Site TX-CO-7

Permit No.WQ0004723000

For Period 06/01/14 - 08/31/14

Project Name	Plant Name	Permit No.
Austin, TX	Hornsby Bend WWTP	3823000

TEXAS FIELD REPORT

Synagro Field: TX-CO-00007-0-0001

August 2014

Permit No.: WQ0004723000
 Owner: LONNIE OWERS
 County: COLORADO
 Crop: BERMUDAGRASS

Latitude: 29.30'50"
 Longitude: 96.33'69"
 Acres: 50.59 (20.49 ha)
 Rate: 8.27 DT/A
 Applic. Method: SURFACE APPL.

CUBIC YARDS APPLIED:	Month to Date:	2,070.00	Year to Date:	2,070.00
DRY TONS/ACRE APPLIED:	Month to Date:	5.26	Year to Date:	5.26
			Cumulative:	22.30

***** POUNDS PER ACRE APPLIED *****
 (Kilograms per Hectare Applied)

<u>PARAMETER</u>	<u>MONTH TO DATE</u>	<u>YEAR TO DATE</u>	<u>CUMULATIVE</u>
PAN	185.52	185.52	
P	146.23	146.23	
K	13.98	13.98	
As	0.04 (0.04)	0.04 (0.04)	0.17 (0.19)
Cd	<.01 (<.01)	<.01 (<.01)	0.04 (0.04)
Cr	0.22 (0.25)	0.22 (0.25)	0.74 (0.83)
Cu	2.71 (3.04)	2.71 (3.04)	11.00 (12.32)
Pb	0.17 (0.19)	0.17 (0.19)	0.79 (0.88)
Hg	<.01 (<.01)	<.01 (<.01)	0.02 (0.02)
Mo	0.08 (0.09)	0.08 (0.09)	0.40 (0.45)
Ni	0.18 (0.20)	0.18 (0.20)	0.68 (0.76)
Se	0.04 (0.04)	0.04 (0.04)	0.23 (0.26)
Zn	6.07 (6.80)	6.07 (6.80)	23.67 (26.51)

DAILY FIELD LOADING SHEET

<u>DATE APPLIED</u>	<u>TYPE</u>	<u>% SOLIDS</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>DRY TONS</u>
08/13/2014	AUHBB3C	13.40	150.00	CUBIC YARDS	16.93
08/13/2014	AUHBC	16.60	90.00	CUBIC YARDS	12.58
08/14/2014	AUHBB3C	13.40	510.00	CUBIC YARDS	57.56
08/14/2014	AUHBC	16.60	210.00	CUBIC YARDS	29.36
08/15/2014	AUHBB3C	13.40	60.00	CUBIC YARDS	6.77
08/15/2014	AUHBC	16.60	480.00	CUBIC YARDS	67.11
08/18/2014	AUHBB3C	13.40	150.00	CUBIC YARDS	16.93
08/18/2014	AUHBC	16.60	420.00	CUBIC YARDS	58.72

Synagro Field: TX-CO-00007-0-0001

DAILY FIELD LOADING SHEET

<u>DATE APPLIED</u>	<u>TYPE</u>	<u>% SOLIDS</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>DRY TONS</u>
TOTALS:			2,070.00	CUBIC YARDS	265.96 DT 241.23 MT

"NR" = Data not reported to Synagro Technologies, Inc or Data not required.